

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

1/3

CCGGGCCCCGGCCGCGCTCGCGGGACCCCGTGCCCGGCCGCGCTCGCCACCGCCGCCCGGGCCGACCGAG
 GGACCCGCCCCGCGCGGCTGCTCCGGACCTAGAGGATCAAGTCATAATGGGAGCATTTTTAGACAAGCC
 AAAGATGGAGAAGCATAATGCCAGGGGCGAGGGGAATGGGTTACGATACGGCCTAAGCAGCATGCAAGGT
 TGGCGAGTTGAAATGGAGGACGCACACACGGCTGTGATCGGTTTGCCAAGTGGACTTGAGACATGGTCAT
 TCTTTGCTGTATATGATGGGCATGCTGGTTCTCAGGTTGCCAAATACTGCTGTGAGCACTTGTTAGATCA
 CATCACCATAACCAGGATTTTCAGAGGATCTGCAGGAGCACCTTCTGTGGAGAACGTAAGAATGGAATC
 AGAACAGGGTTTCTGGAGATTGATGAACACATGAGAGTTATGTCAGAGAAGAAACATGGTGCAGATAGAA
 GCGGGTCAACAGCTGTGGGCGTCTTAATCTCTCCCCAACATACTTATTTTCATTAACGTGGGAGACTCGAG
 AGGTTTACTTTGTAGGAATAGAAAAGTTCACTTCTTCACACAAGACCATAAACCAAGTAACCCGCTGGAA
 AAAGAACGAATTCAGAATGCAGGGGGCTCGGTGATGATTAGCGTGTCAATGGCTCTCTGGCTGTATCGA
 GGGCCCTTGGGGATTTTCGATTACAAATGTGTCCATGGAAGGTCCACAGAGCAGCTTGTCTCCCCAGA
 GCCCGAAGTCCATGATATTGAAAGGTCTGAAGAAGATGACCAGTTCATCATCCTTGCATGCGATGGCATC
 TGGGACGTCATGGGAACGAAGAGCTCTGTGACTTTGTGAGATCCAGACTTGAAGTCACTGATGACCTTG
 AGAAAGTTTGAATGAAGTAGTCGACACCTGCTTGTATAAGGGAAGTCGAGACAACATGAGTGTGATTTT
 GATCTGTTTTTCCAAGTGCACCCAAAGTCTCGGCAGAGGCGGTGAAGAAGGAGGCGGAGCTGGACAAGTAC
 CTGGAGAGCAGAGTAGAAGAAATCATAAAGAAGCAGGTGGAAGGCGTCCCTGACTTAGTCCACGTGATGC
 GCACGTTAGCCAGTGAGAACATCCCCAGCCTCCACCAGGGGTGAATTGGCAAGCAAGCGGAATGTAAT
 TGAAGCCGTTTACAATAGACTGAACCTTACAAAAATGACGACACTGATTCTGCGTCAACCGATGATATG
 TGGTAAAGCCGCTCACCAGCCGTGGACTCACCTTCGCCTGCAAAGGGGAAGCCAGCTCATCCTTGCCGA
 GCCTTTACCATCCATCACCAGCTTCACAGGAGGGTCTGACACGGGTGAGGACTGCAG (SEQ NO:1)

MGAFLDKPKMEKHNAQQQGNGLRYGLSSMQGWRVEMEDAHTAVIGLPSGLE
 TWSFFAVYDGHAGSQVAKYCCEHLLDHITNNQDFRGSAGAPSVENVKNGIRTG
 FLEIDEHMRVMSEKKHGADRSGSTAVGVLISPQHTYFINCGDSRGLLCRNKRKH
 FFTQDHPKSPNLEKERIQNAGGSVMIQRVNGSLAVSRALGDFDYKCVHKGKPT
 EQLVSPEPEVHDIERSEEDDQFIILACDGIWDVMGNEELCDFVRSRLEVTDDEK
 VCNEVVDTCLYKGSRDNMSVILICFPSAPKVSAAEVKKEAELDKYLESRVEEIK
 KQVEGVDPDLVHVMRTLASENIPSLPPGGELASKRNVIEAVYNRLNPYKNDDTDS
 ASTDDMW (SEQ ID NO:2)

FIGURE 1

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

CCCGGGCCCCGGCCGCGCTCGCGGGACCCCGTGCCCGGCCGCGCTCGCCACCGCCGCCCCG
 GCCGACCGAGGGACCCGCCCGCCGCGGCTGCTCCGG [ACCTAGAGGATCAAGTCATAATG
 GGAGCATTTTTAGACAAGCCAAAGATGGAGAAGCATAATGCC] AGGGGCAGGGGAATGGG
TTACGATACGGCCTAAGCAGCATGCAAGGTTGGCGAGTTGAAATGGAGGACGCACACACG
GCTGTGATCGGTTTGCCAAGTGGACTTGAGACATGGTCATTCTTTGCTGTATATGATGGG
CATGCTGGTTCTCAGGTTGCCAAATA [CTGCTGTGAGCACTTGTTAGATCACATCACC AAT
 AACCAGGATTTAGAGGATCTGCAGGAGCACCTTCTGTGGAGAACGTAAAGAATGGAATC
 AGAACAGGGTTTCTGGAGATTGATGAACACATGAGAGTTATGTCAGAGAAGAAACATGGT
 GCAGATAGAAGCGGGTCAACAGCTGTGGGCGTCTTAATCTCTCCCAACATACTTATTTT
 ATTAACGTGGAGACTCGAGAGGTTTACTTTGTAGGAATAGAAAAGTTCACCTTCTTCACA
 CAAGACCATAAACCAAGTAACCCGCTGGAAAAAGAACGAATTCAGAATGCAGGGGGCTCG
 GTGATGATTCAGCGTGTCAATGGCTCTCTGGCTGTATCGAGGGCCCTTGGGGATTTGAT
 TACAAATGTGTCCATGG] AAAAGGTCCCACAGAGCAGCTTGTCTCCCCAGAGCCCGAAGTC
 CATGATATTGAAAGGTCTGAAGAAGATGACCAGTTCATCATCCTTGCATGCGATGGCATC
 TGGGACGTGATGGGGAACGAAGAGCTCTGTGACTTTGTGAGATCCAGACTTGAAGTCACT
 GATGACCTTGAGAAAGTTTGCAATGAAGTAGTCGACACCTGCTTGTATAAGGGAAGTCGA
 GACAACATGAGTGTGATTTTGTATCTGTTTTCCAAGTGCACCCAAAGTCTCGGCAGAGGCG
 GTGAAGAAGGAGGCGGAGCTGGACAAGTACCTGGAGAGCAGAGTAGAAGAAATCATAAAG
 AAGCAGGTGGAAGGCGTCCCTGACTTAGTCCACGTGATGCGCACGTTAGCCAGTGAGAAC
 ATCCCCAGCCTCCCACCAGGGGGTGAATTGGCAAGCAAGCGGAATGTAATTGAAGCCGTT
 TACAATAGACTGAACCCCTTACAAAAATGACGACACTGATTCTGCGTCAACCGATGATATG
 TGGTAAAGCCGCTCACCCAGCCGTGGACTCACCTTCGCCTGCAAAGGGGAAGCCAGCTCA
 TCCTTGCCGAGCCTTACCATCCATCACCGACTTCACAGGAGGGTCTGACACGGGTGAGG
 ACTGCAG

FIGURE 2A

